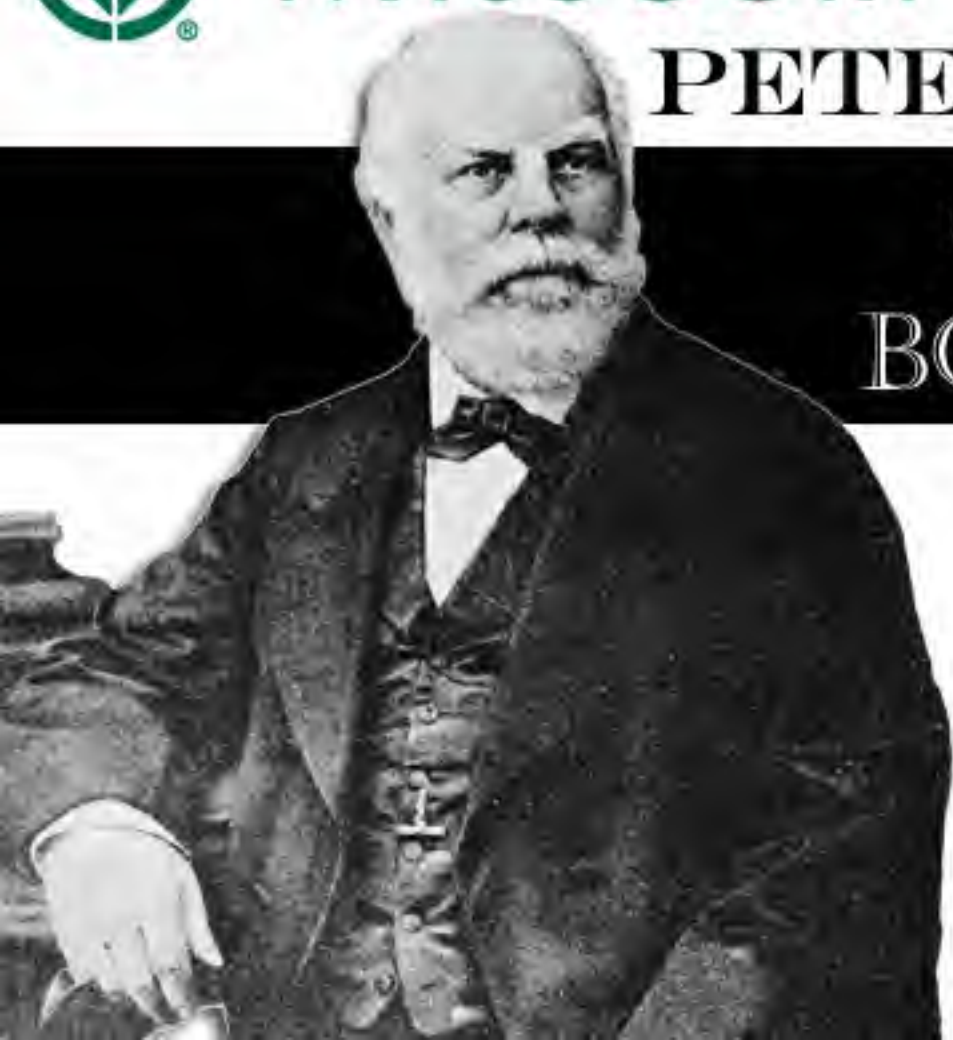


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Cereus cf. Ehrenberg in Linnaea 19. 358 fig.

1661



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~~Cactus~~ repandus Linn sp. N. Cereus repandus Haw

Cactus divaricatus Lam

Cereus eriophorus Pfeiffer

Cereus erectus Karwinski

Cer subrepandus

Cer undatus

Cact acuminatiformis Thierry de Menouville 1780

Cer Tinei Todaro

all these synonyms
fide A. Weber: lill.

Dec 7 1883

1662

West Indies



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~~Cereus~~ *dracunculatus* Haworth

Cactus dracunculatus Lin

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the ischiatic notch, just reversing the movement which takes place when an ischiatic dislocation is improperly manipulated.

Three steps complete the operation. First, the thigh is bent on the abdomen; secondly, it is brought into a straight line with the long axis of the body; thirdly, it is forced down (or extended) in a straight line, parallel with its fellow. The dislocation is thus reduced without difficulty, and without the need of any assistant. And, what is of chief importance, the operation avoids all risk of rolling the head of the bone round the acetabulum, an accident which is so apt to complicate manipulation as commonly practiced.

13. *On the Treatment of Fractures and Dislocations of the Elbow-Joint, and on the General Impropriety of Passive Motion.* An Abstract of a Clinical Lecture by HENRY J. BIGELOW, M.D., Professor of Surgery.

[*Boston Medical and Surgical Journal*, May 7, 1868.]

There is no class of injuries so frequently productive of discontent, and perhaps so often the cause of litigation, as the traumatic lesions of the elbow-joint. The fractures of the elbow are especially common in children; and the surgeon is often called upon, some six or eight weeks after

* *New York Journal of Medicine*, 1855.

Cuba

Cereis repandens & allies

(*crispiformis*)

sem. cristato-Tuberculata. rugosa.

subglobulata

embryo super. cotyl. obliquis s. parallelis

549-56

1662A



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the simple, and not the compound fractures or dislocations of this joint, which are very serious injuries. Cases may also happen where the elbow is so excessively swollen, before the surgeon is called, that it may be proper to wait for the swelling to subside before applying the necessary apparatus; but even here the inflammation subsides more readily if the elbow can be properly set, and the very large majority of cases are not of this character. The rule I would enjoin upon you is the following:

Ascertain if the olecranon is broken, which can be done with comparative ease, as it lies near the surface; this injury requires a special treatment. In all the other injuries of the elbow-joint, whether you are able to make an exact diagnosis or are wholly unable to do so on account of the swelling, *treat them as though the forearm had been dislocated backward, and secure the arm at about right angles to an inside angular splint.* The propriety of this measure will not be doubted with regard to the more common dislocations of the arm. The very rare instances of the radius dislocated forward, or the all but impossible forward dislocation of the ulna alone, would doubtless declare themselves, and the bones would be replaced during the manipulation. Practically speaking, they are so rare that they need not be taken into account. But among the fractures, the transverse fracture of the lower end of the humerus; the T fracture into the joint; the fracture of the inner or outer condyle separately; the comparatively rare fracture of the coronoid process of the ulna; or of



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flower in Col.
No 2623 Wright.

2, Cereus

Cabo Cruz

near Manzanillo

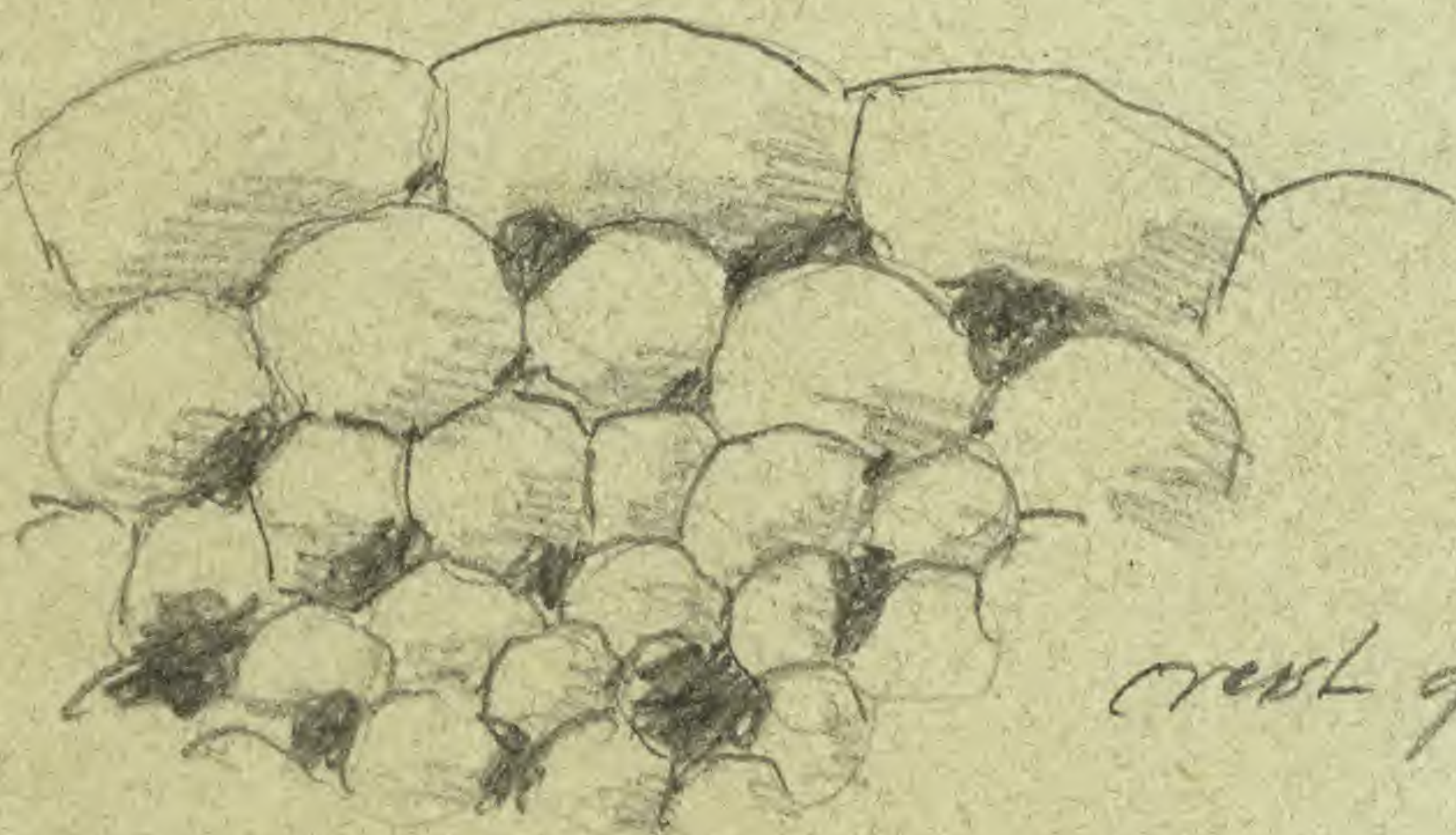
July 20 1860

Cabo Wright 1865
Oct 6 12



C. palluroides
ex Griseb

6 embryos examined
all parallel or very slightly
oblique



rest of seed x60

1663



surface towards base

x60



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ALL THE NEW REMEDIES
CONSTANTLY ON HAND

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3. *Cereus* *andersonii* ?

July 21 1870

"Flower in Hb"

Cuba, Wright 1856

seed No 1 is the same
only slightly smaller



3 embryos

seen once only



lowest part of seed brown
and irregularly grown over the hilum



cris. of seed
x60

1664



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Cereus
C. encephalus

1665

July 4 1870

Antibes, Hort Thurot Feb 1869

x 8.

same as the so called
C. Ehrenbergii
from Vienna



all the seeds examined
with parallel or slightly oblique cotyled.



The large cells in the center of all these seeds are
hollow



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C. enophorum

"*Cereus Ehrenbergii*"

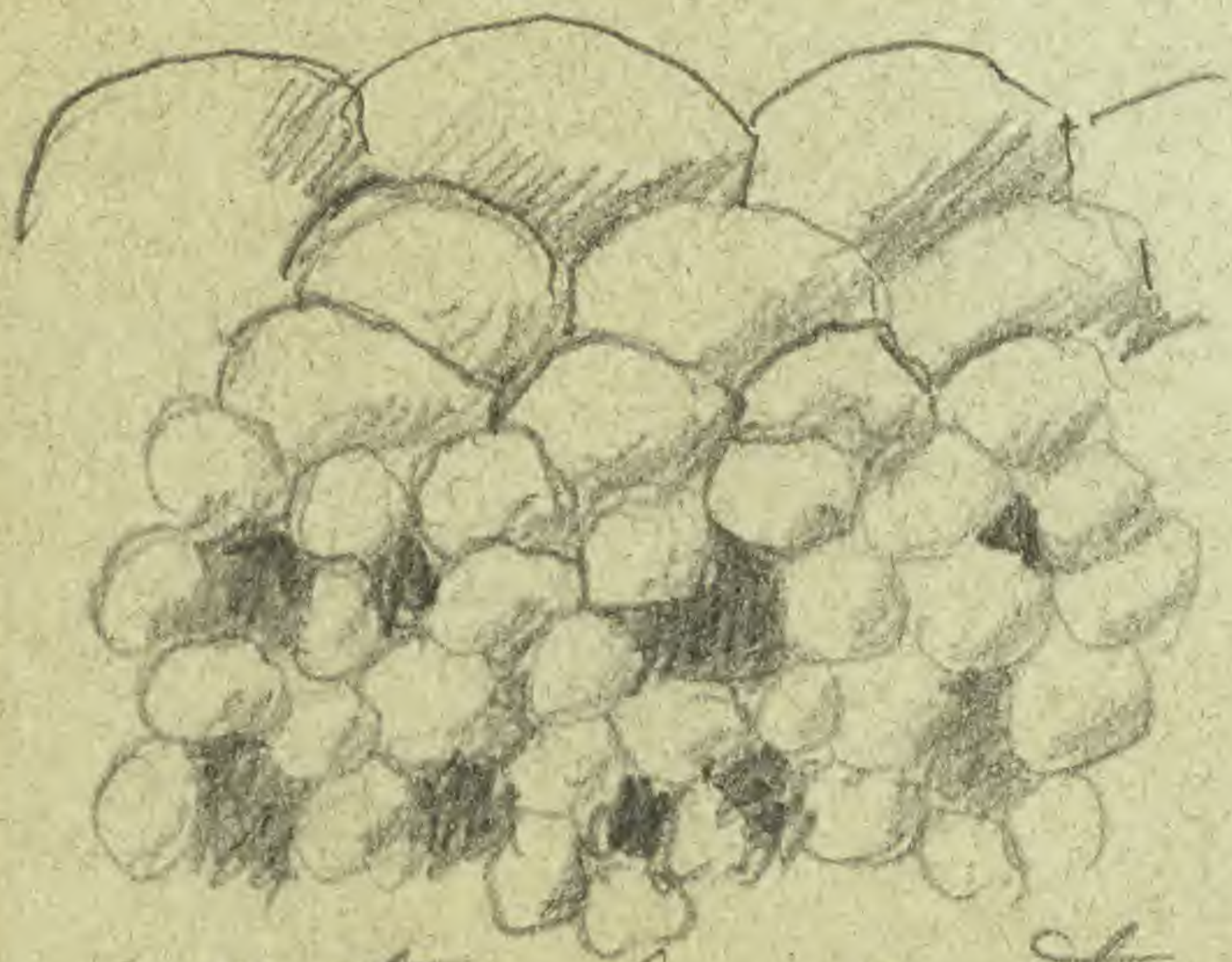
Hot bot Venice Jan 1858 July 2 1870

x 7

= erectus
= repandus
= enophorus



cotyledons mostly oblique
rarely incumbent or contorted



tests x 60, crust
pits small between
tubercles

1666



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Cereus repandus Haw
Hort Lindobon 1837

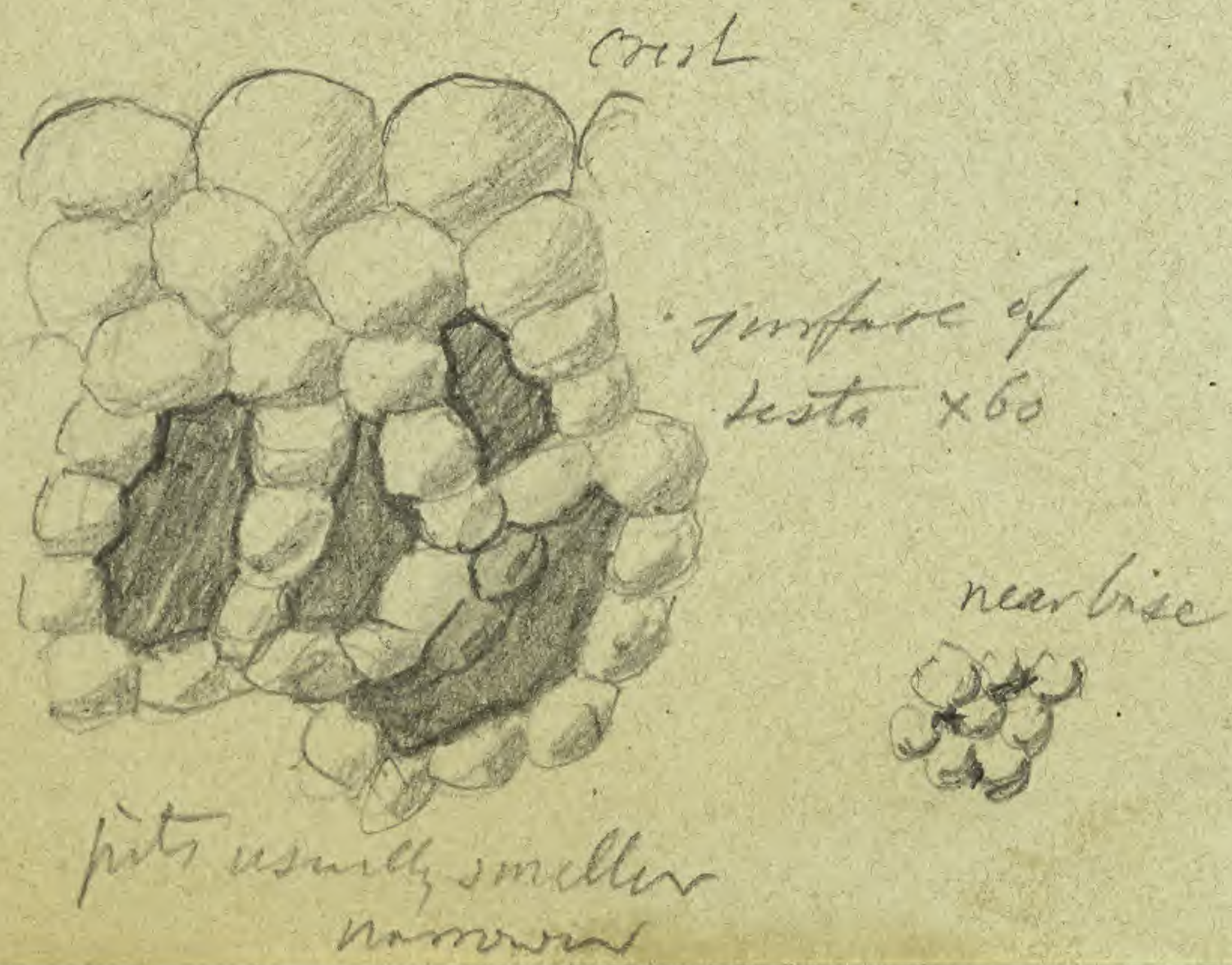
July 2 1870

rec 2 Meana 1858

x8



costae mostly acuminate
very rarely oblique



surface of
testae x60

near base

pits usually smaller
narrower

1667

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Cereus subrepandus Haw

June 30 1870

Hol. Vindobon 1838

rec^d - Vienna 1858

1668

x 8

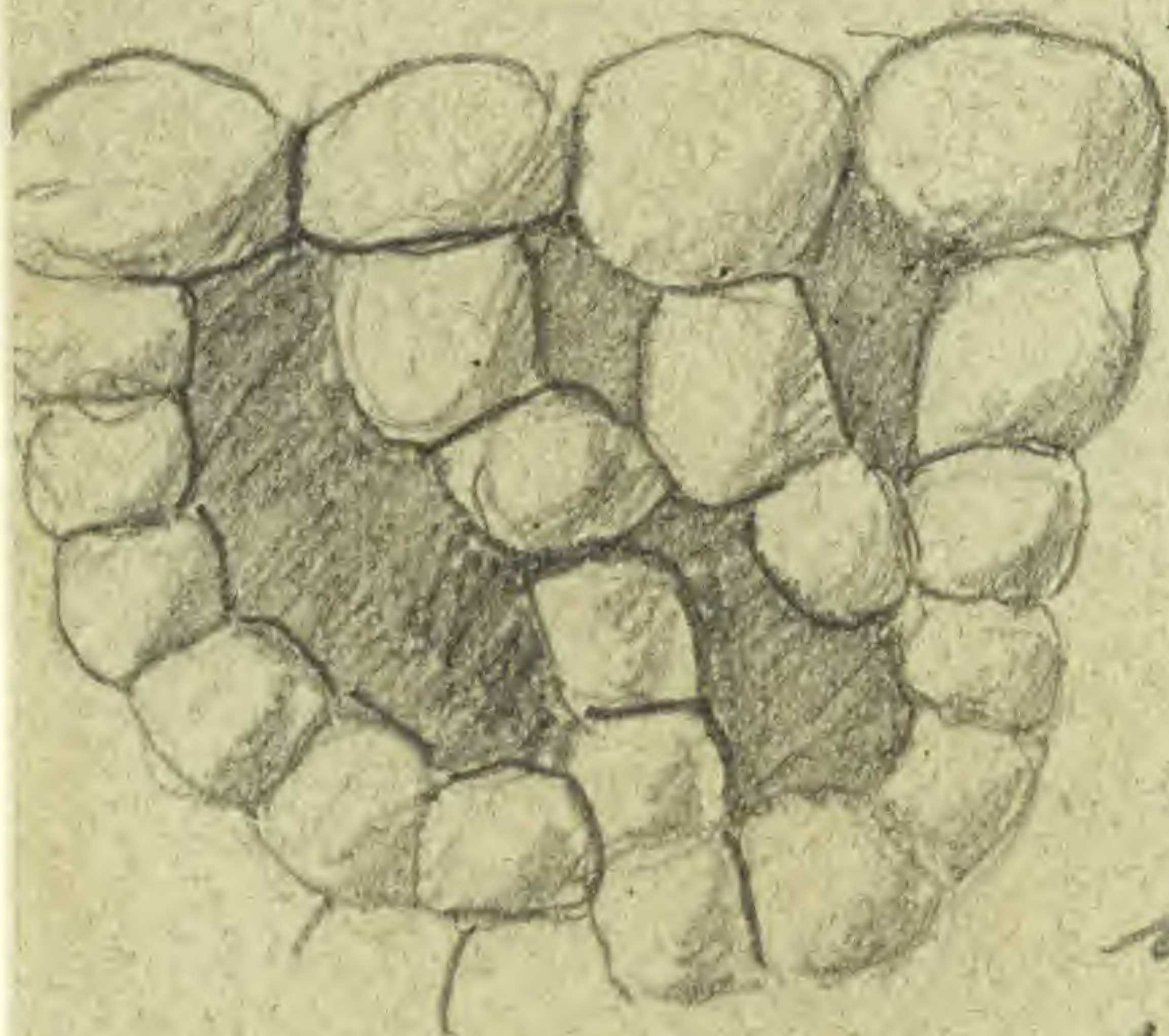


once

3 times oblique
nearly parallel



testa very thick and hard



Surface of seed x 60
at upper edge
reticulated with
irregular lacinae
between the beadlike string
fibres - irregularly pitted



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Cereus Tineii

June 27 1870

Huachuca, Dept. S. Mis. 1866

x 8



60



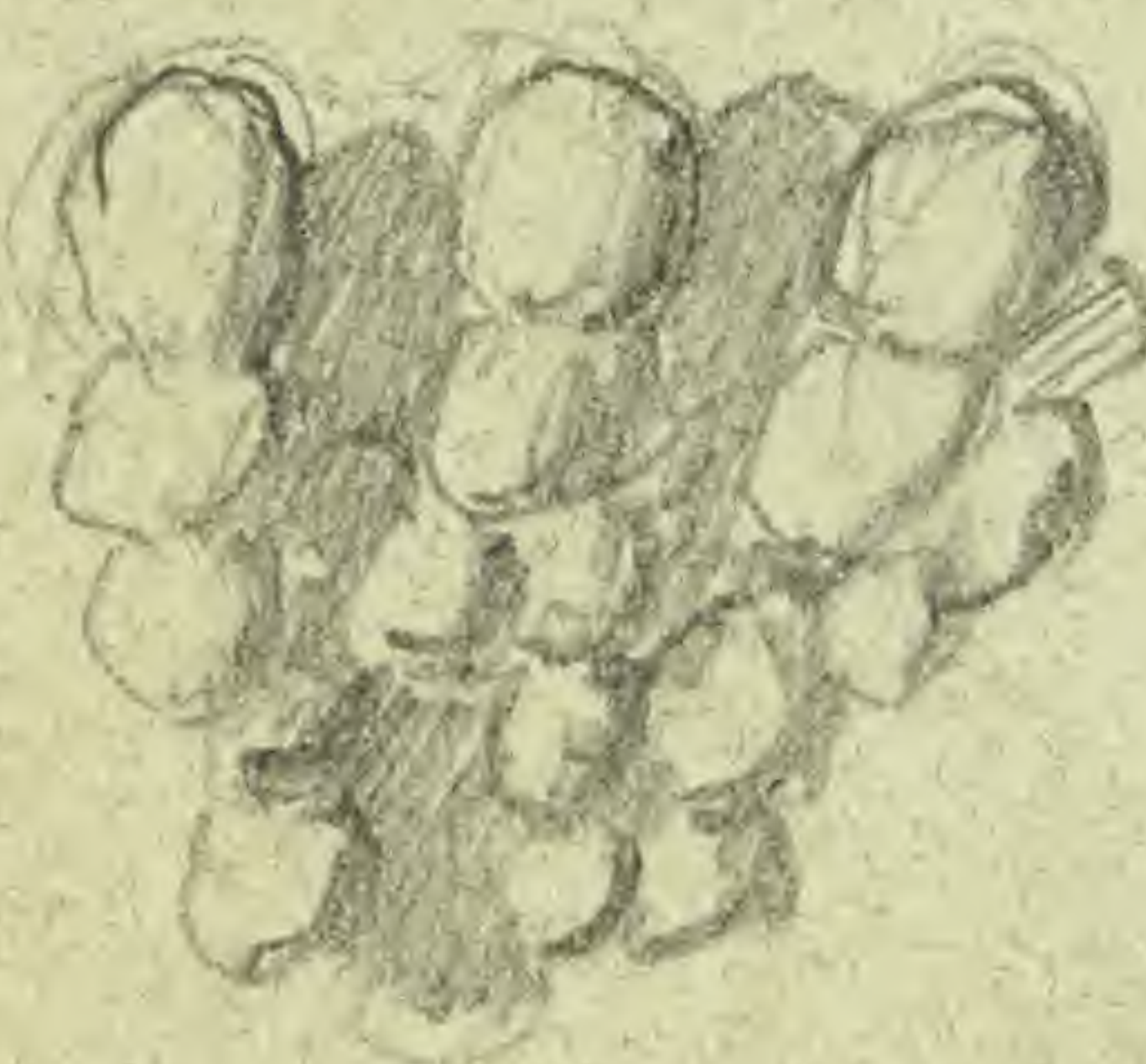
Two seeds examined
both with parallel (or accumbent)
cotyledons

side

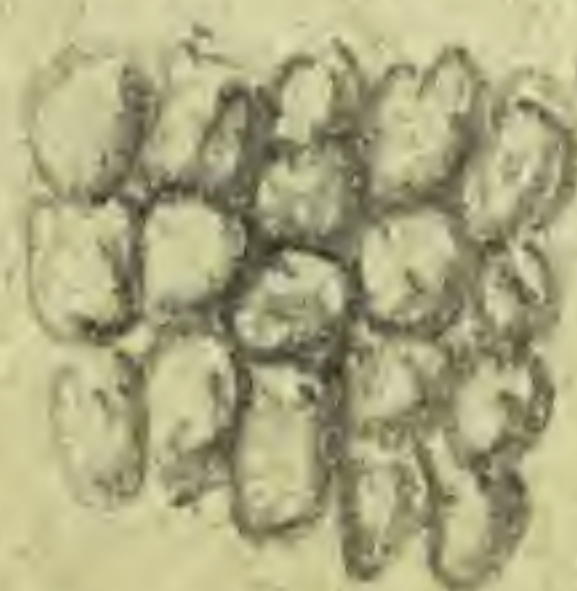


x 60

crest



base



1669



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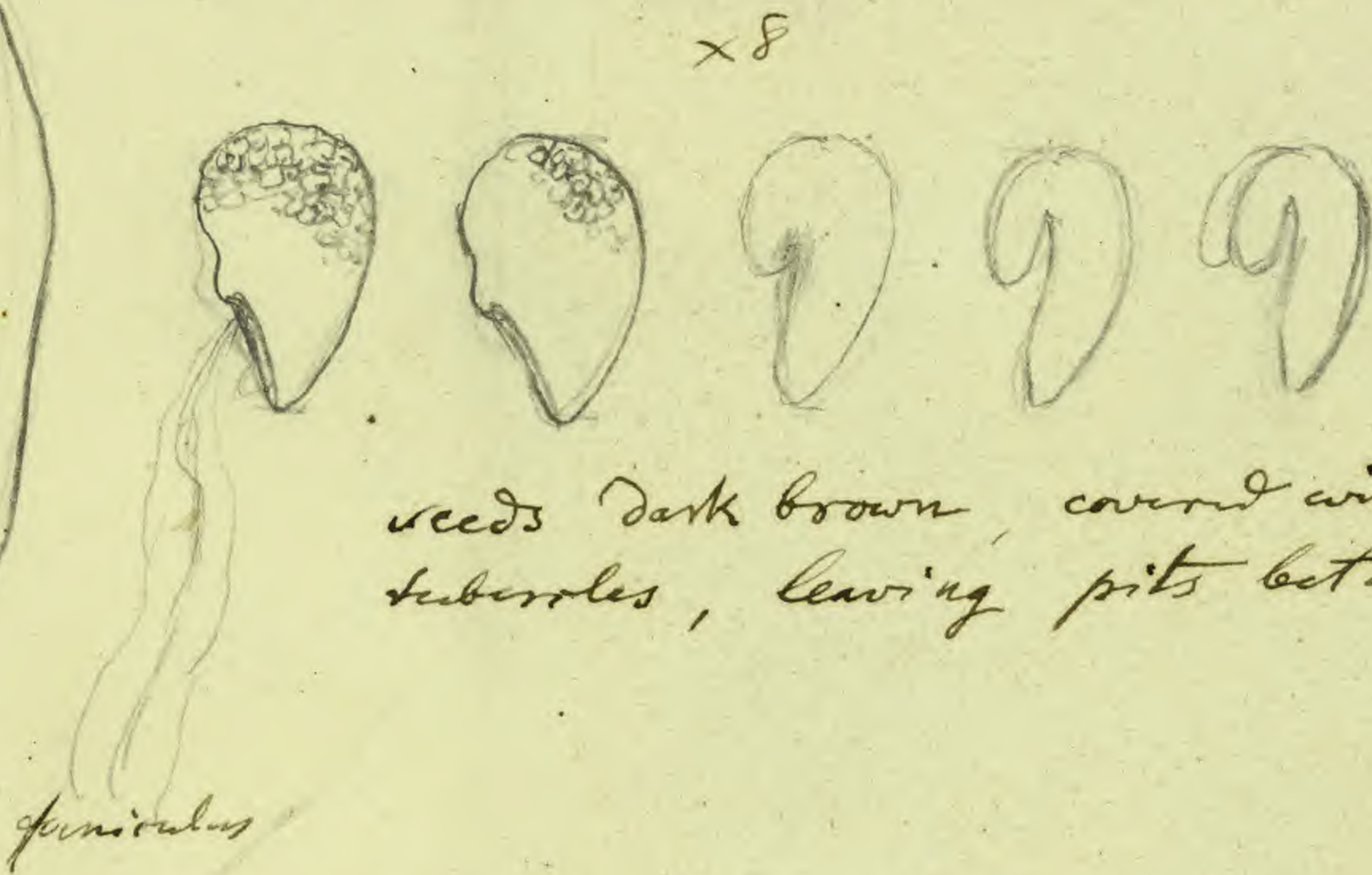
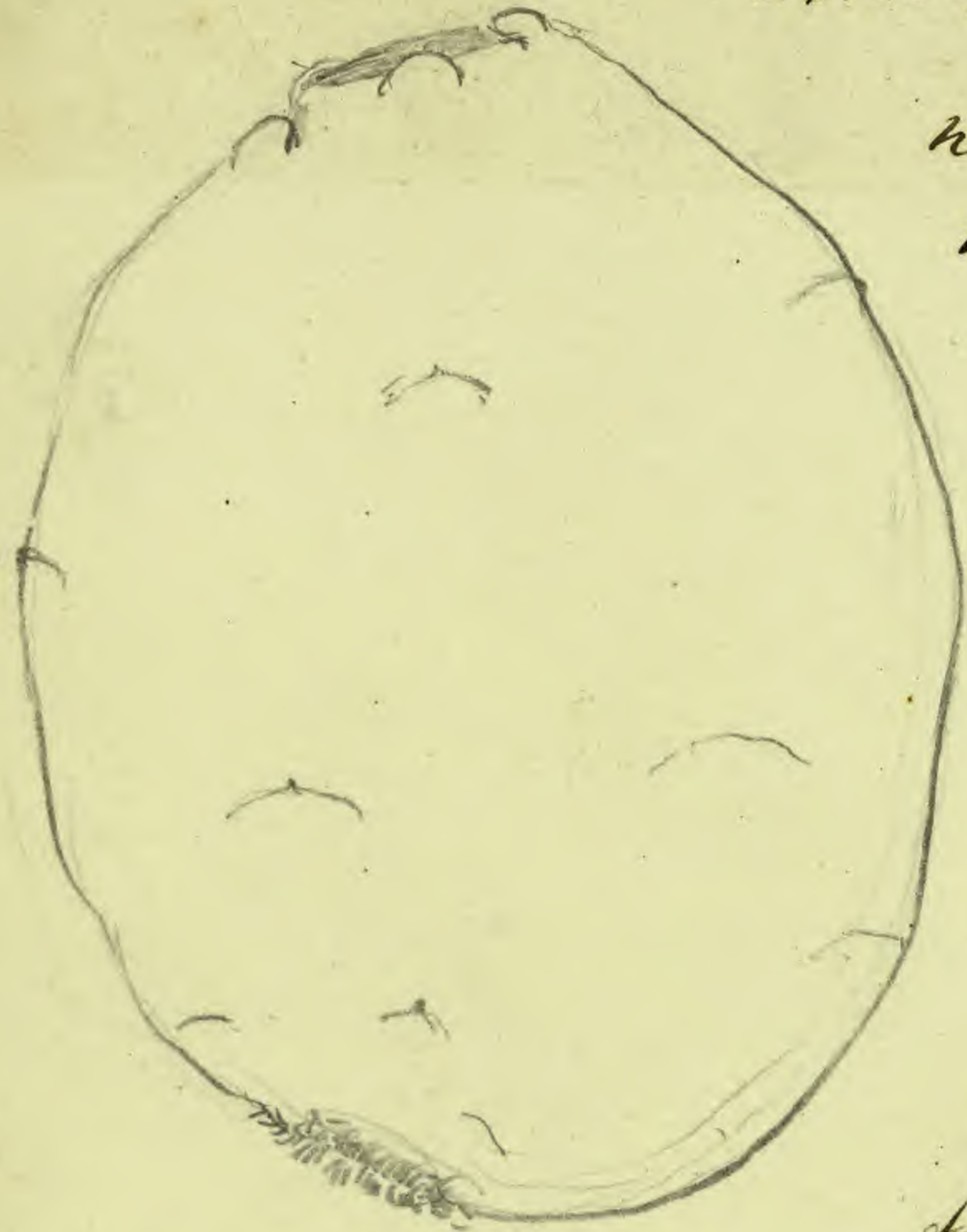
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"Cardon manzano" "Cereus decemangulari" Coll. Venezuel. Mus Kew ^{March 17 1870}

greenish
Ovate globose fruit, with 22 or 23 broad obtuse or mucronulate
sepaloid scales, 4 or 5 of them around the narrow umbilicus
axils of scales naked; $\frac{3}{8}$ arrangement ^{branching or connate}
Numerous very small seeds in long ^{obovate} ^{funiculus}
no pulp (shrivelled by the Alcohol in which
the fruit was immersed?)



Cotyledons with edge
to radicle - like
those of Echinopsis!!
accumbent

seeds dark brown, covered with flat confluent
tubercles, leaving pits between them

The seed would indicate
an Echinocactus

1670



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cient to convince us of its truth.

Life, or the Actions of an Organism, are produced by Forces which are evolved in the decomposition or decay of that Organism. [By the word

"Organism" is meant all that normally enters into its unity or totality. When we say a cell is an organism, we mean not only the special forms which may be determined by the microscope, but, no less, the contained fluids, granules, etc.,—the totality; so the compound organism, man, includes not only the "solid forms," but the contained fluids, nutritive juices, etc.,—that is, the whole negative unity.]

When we look into the organic world, it is observed that the natural tendency of all organic matter, under the influence of the external conditions of life, is to resolve itself into simpler compounds; but in the living organism there is an action directly contrary to this observed natural tendency. It was, no doubt, from this *apparent* reversal of the laws of matter, that first originated the idea of an independent agent residing in the system, whose office it was to overrule these laws, and give direction to vital actions. It is, no doubt, from this, that even to the present time, the "vital principle" enters into the explanation of all vital phenomena. The attention of physiologists has been almost exclusively directed to the building up of the organism. Disintegration has been thought worthy of attention only as it is modified by this "vital principle," or, as it makes continued nutrition necessary. As decay is common to all organic matter, the attention has been diverted from this to organization, which is peculiar to living beings; and nutrition is looked upon only as a means of "counteracting" the "destructive" tendency to decay, rather than as affording a necessary condition to continued decay. Though we can not conceive the existence of a living being without change, yet this tendency

Venezuela
Cereus

557571

1670A



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except in com... fatal to it...
The paragraph in which he is alluding to my lecture is in the nature
such a criticism. He is at fault in his objections to my reference to his
"recent works alone;" for in these alone does he adopt my views, and as
these views are an abandonment of his correlation theory, he is equally
at fault in referring them back to his memoir of 1850, "with such *modifi-*
cations as the advance of science has suggested" to him. He is no less at
fault in assuming that I called in question his "reputation for truth and
honesty." The question was merely in regard to *justice* to myself; and I
did not go behind the facts to impugn his motives, with which I had
nothing to do, and which had nothing to do with that question. As there
was another horn to the dilemma in which he had unfortunately allowed
himself to be placed, no system of logic would justify his selecting one to
answer, and at the same time leaving the other untouched. If he had
treated the other alternative in a way which I believe he might truly have
done, no doubt this communication would have been uncalled for, and he
would not have felt the necessity of sustaining his "reputation for truth
and honesty" by argument; but as *he* elected it rather to impute my re-
marks to an "ignorance of the facts in the case," nothing is left me but
to present to the world the facts, that it may judge between us.

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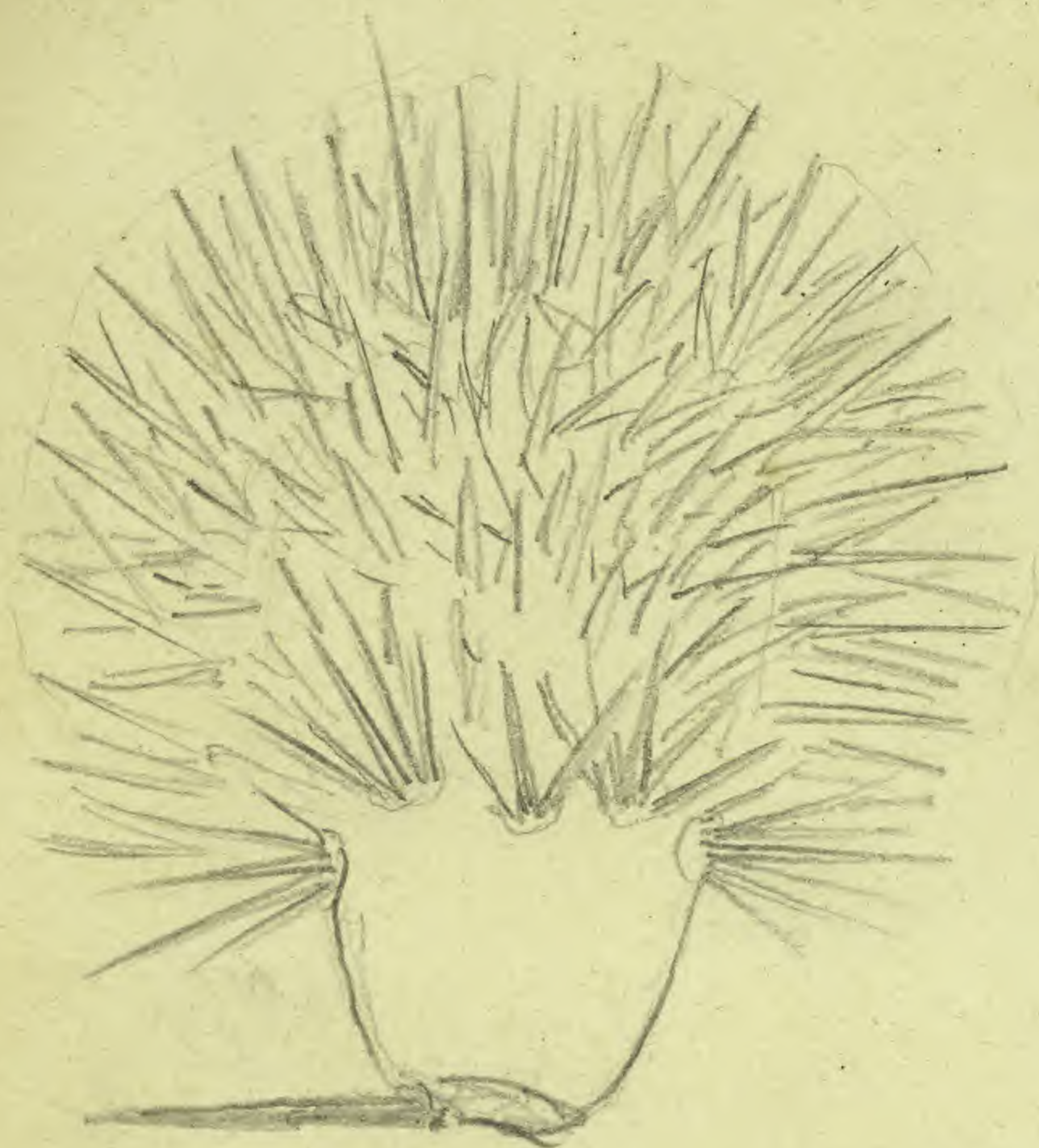
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"12. Cardon Dato, *Cereus decemangularis*" All Venezuela March 18 1870
 in Mus Kew = Tandler 462, β



Lower part of pyriform fruit naked, middle
 and upper covered with perhaps 150 or more (?)
 large dense areolae, each beset with
 20-20 straight stout stellate spines, dark
 brown, 10-16 or 18 mm long, the whole
 forming a dense spinous burr; flower fallen



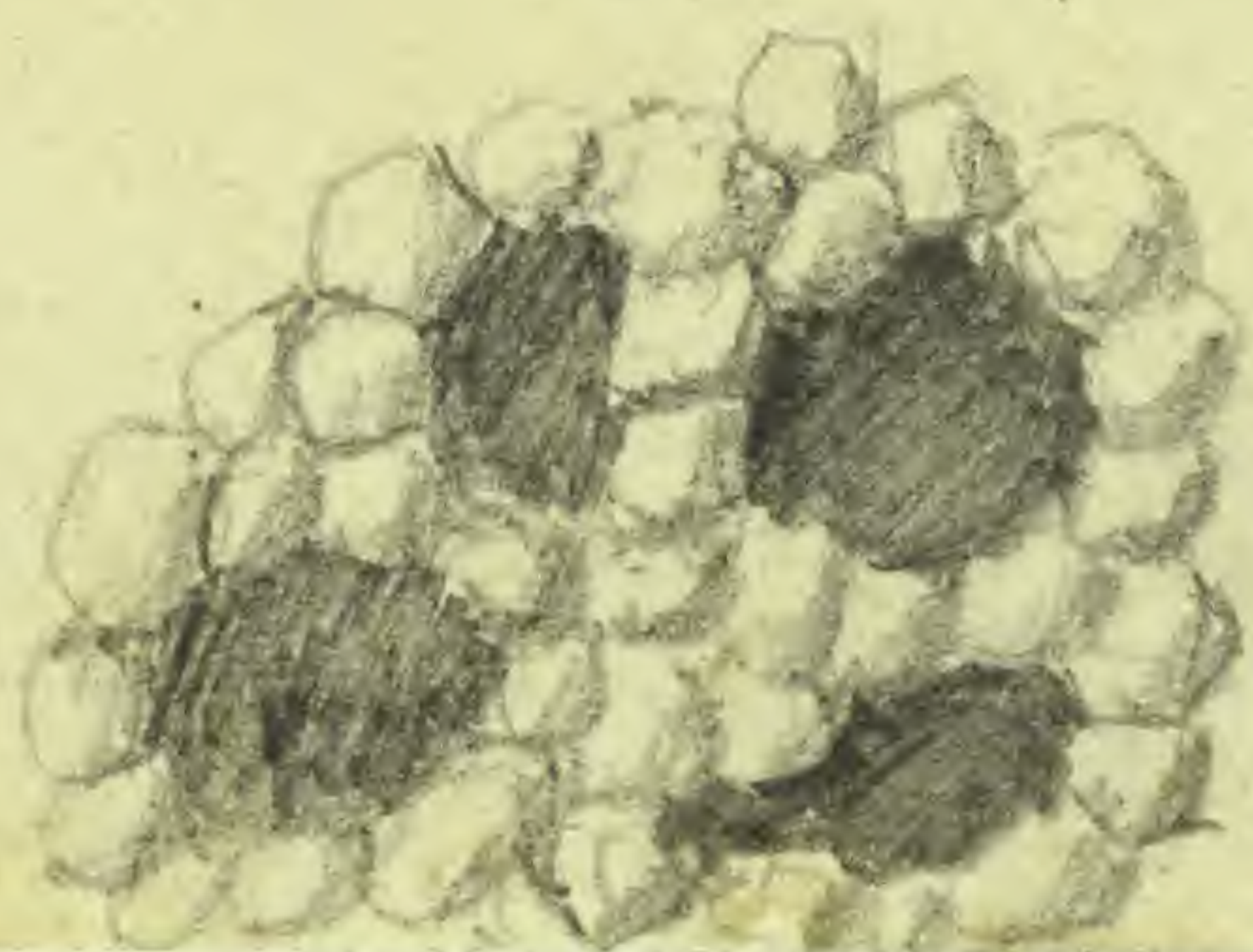
x 8

semina crustacea
 durissima, nigra
 irregulariter scrobiculata
Cotyledones semper accumbentes
contrariae

Surface of seed x 60

24/70
 /6

reticulated tubercles
 enclosing pitted



depressum

1671



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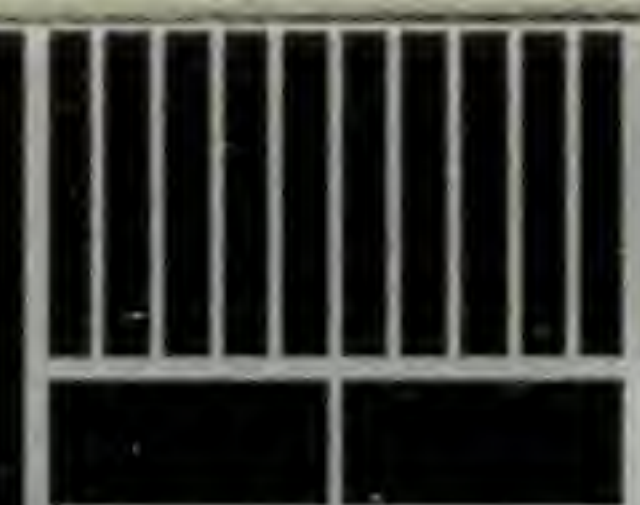
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"2. Cardon redondo" *Cereus sexangularis* " Coll. Venezuel. March 17 1870
in Mus Kew

Oval rather rostrate green fruit with few (5 to 8) indistinct
broad sepaloïd scales angled and notched umbilicus.
Pulp stringy (action of Alcohol)

1672



x 8



seed = $\frac{1}{2}$ 6 Delicately pitted —
pits are the lacunae between the
flat, confluent tubercles.

6 embryos examined, all
of them, as figured, acumbent



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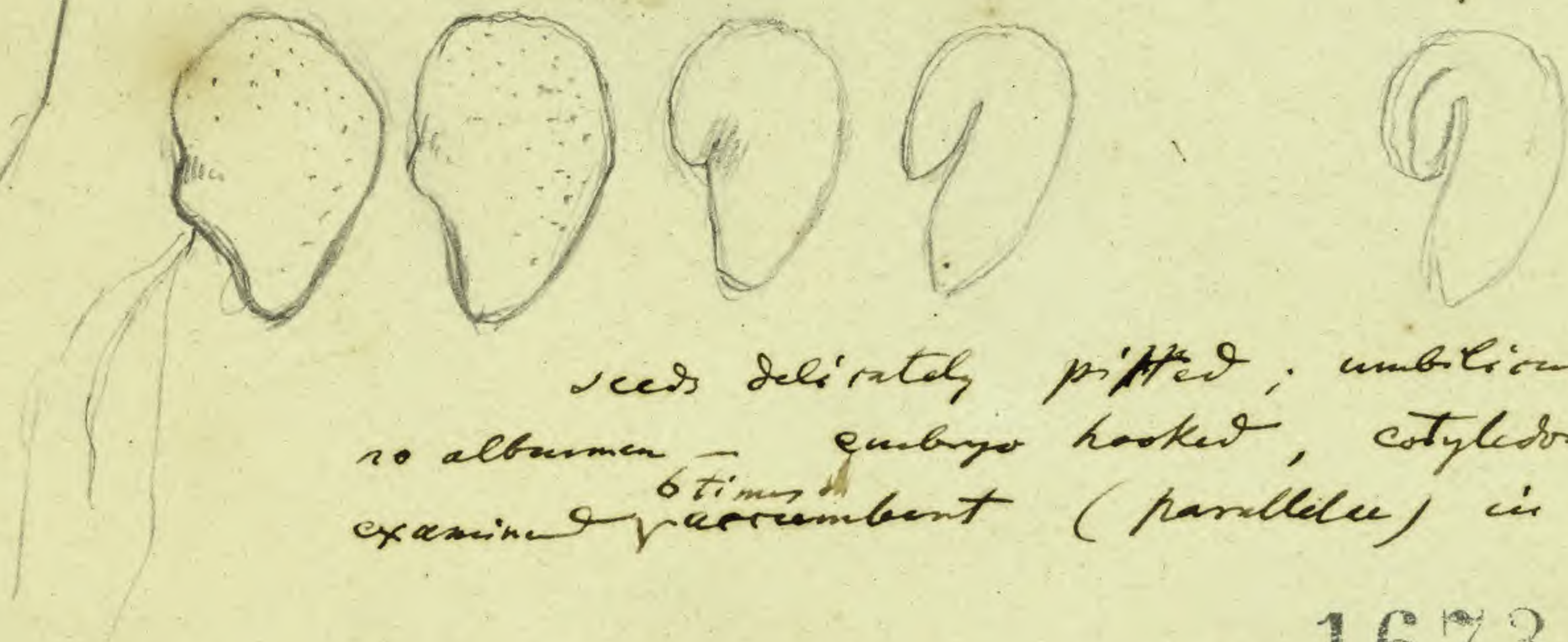


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"6. *Chardon chato*; *Cereus pentagonus*, var." March 17 1870
Coll. Venezuela
in Mus Kew



Greenish oval fruit, apparently about 10 or 12
indistinct broad membranaceous sepals
of only traces — Numerous seeds on
long white funiculi. (Pulp shrivelled by
alcohol in which the fruit was immersed?)
fragments of stout spines sticking in fruit.



seeds x8

seeds delicately pitted; umbilicus linear oblong
no albumen — embryo hooked, cotyledons ^{out of} 2 cases
examine ^{6 times} ~~vacuum~~ (parallel) in 1 only in ~~incubated~~
(~~partially~~ ^{incubated})

1673



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"10. Cardon Largo *Cereus spec.*"

Coll. Venezuela
in Mus Kew

March 17 1870

Ovate elongated green fruit with about 15 distinct broad very short sepaloïd
scales, cuspidate - deep umbilicus - stringy (because in alcohol?) pulp
narrow base



x 8



seeds exactly like those of
No 6 and 2

9 embryos expanded, all
with accumbent cotyledons

1674



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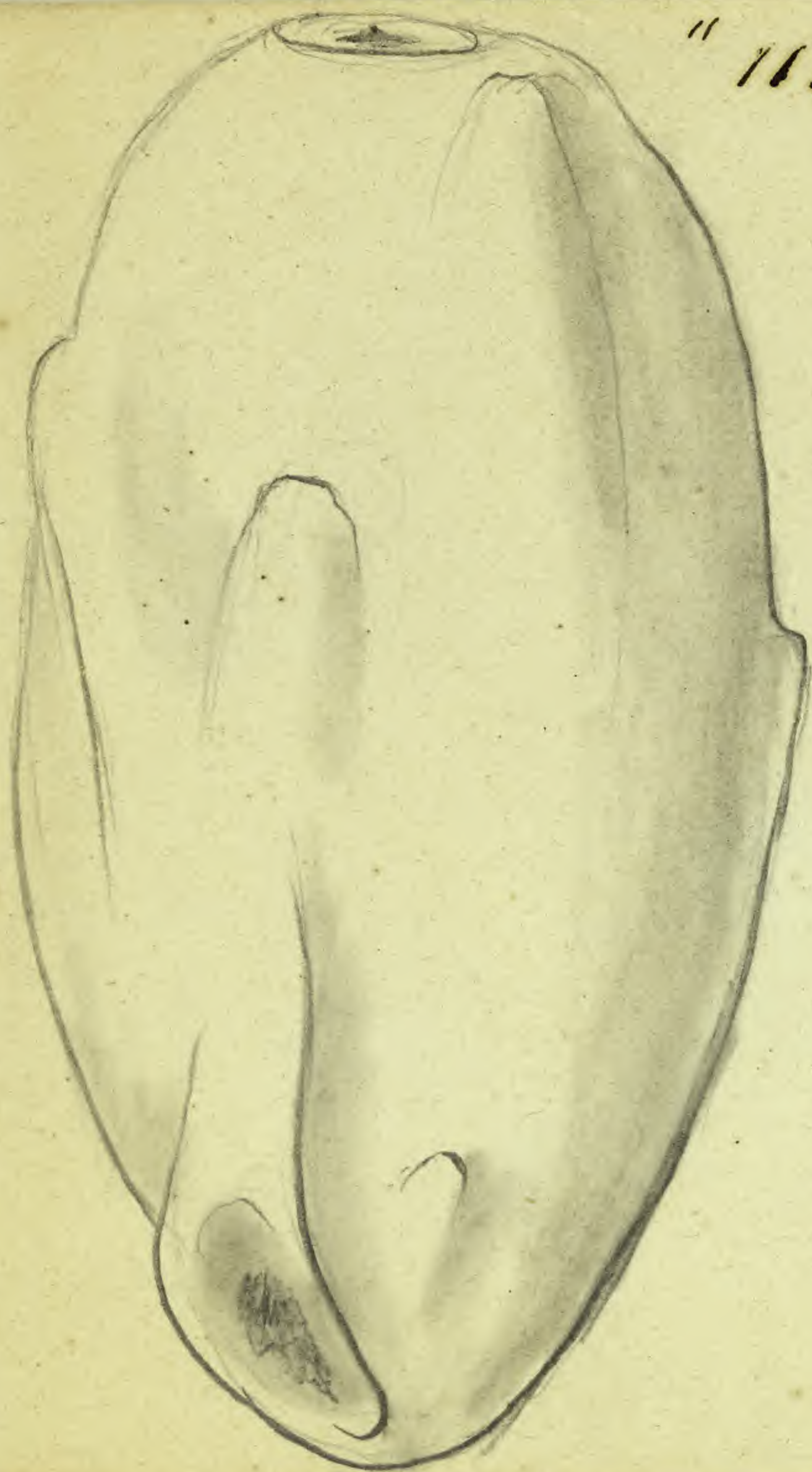
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" 11. Pitajaya larga y grande
Cereus Pitahaya "

March 19th 1870

Coll. Venezuela in Mus Kew.

fruit very fleshy, dark red brown, 5 marks of sepals visible on
the figure, 2 hidden on the other side



seven embryos examined
all with accumbent cotyled.



x8



seed brown
pitted.

1675



seed not fully ripe?
embryos not fully formed? rather slender
for the size of the seed



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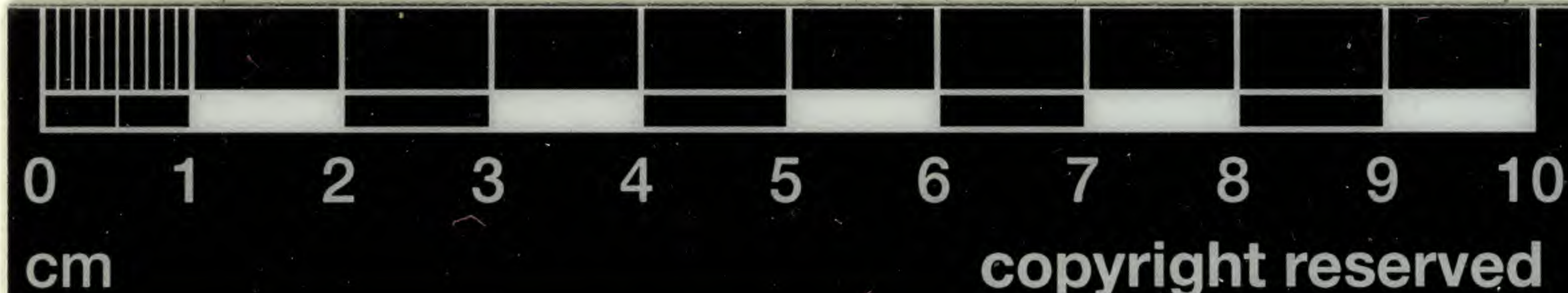
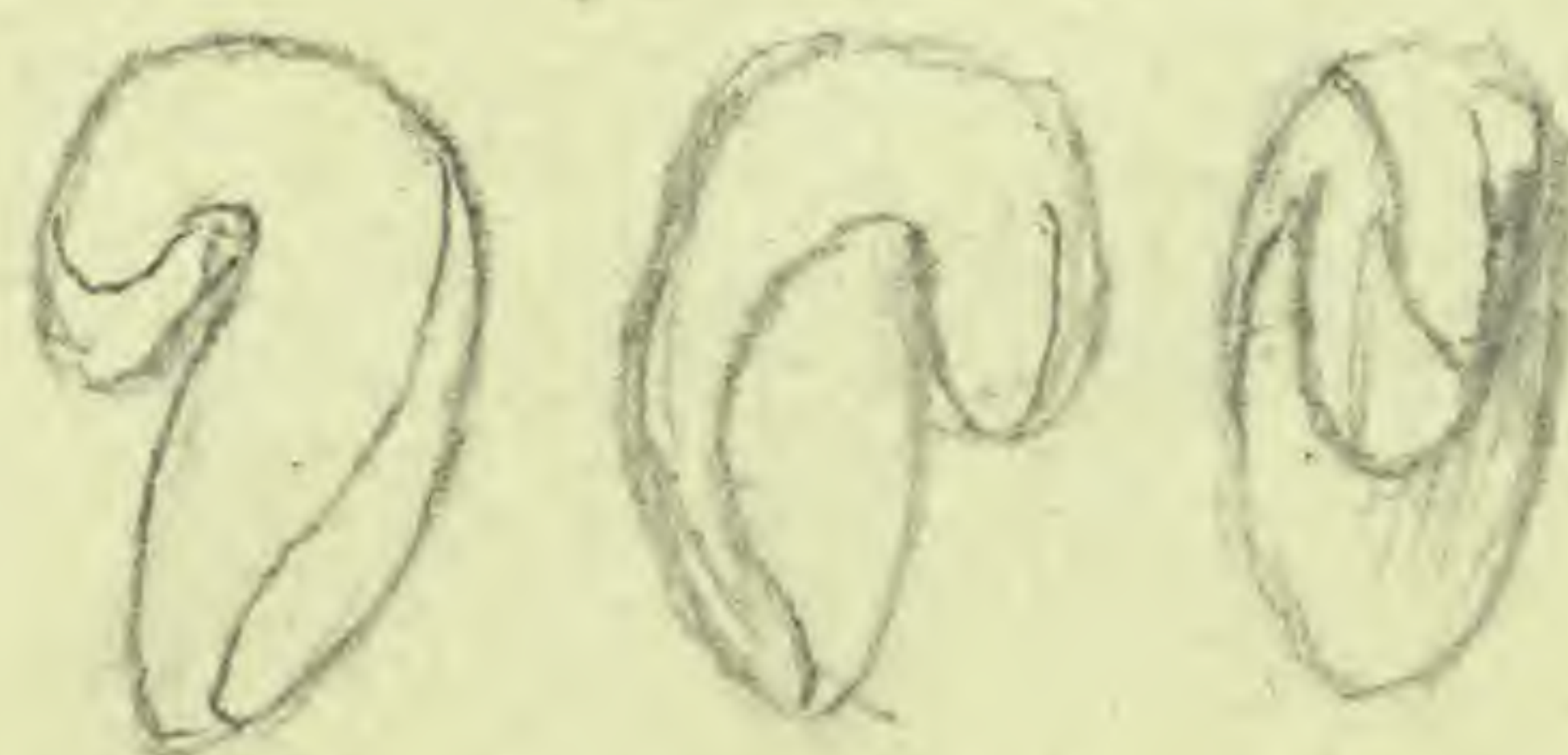
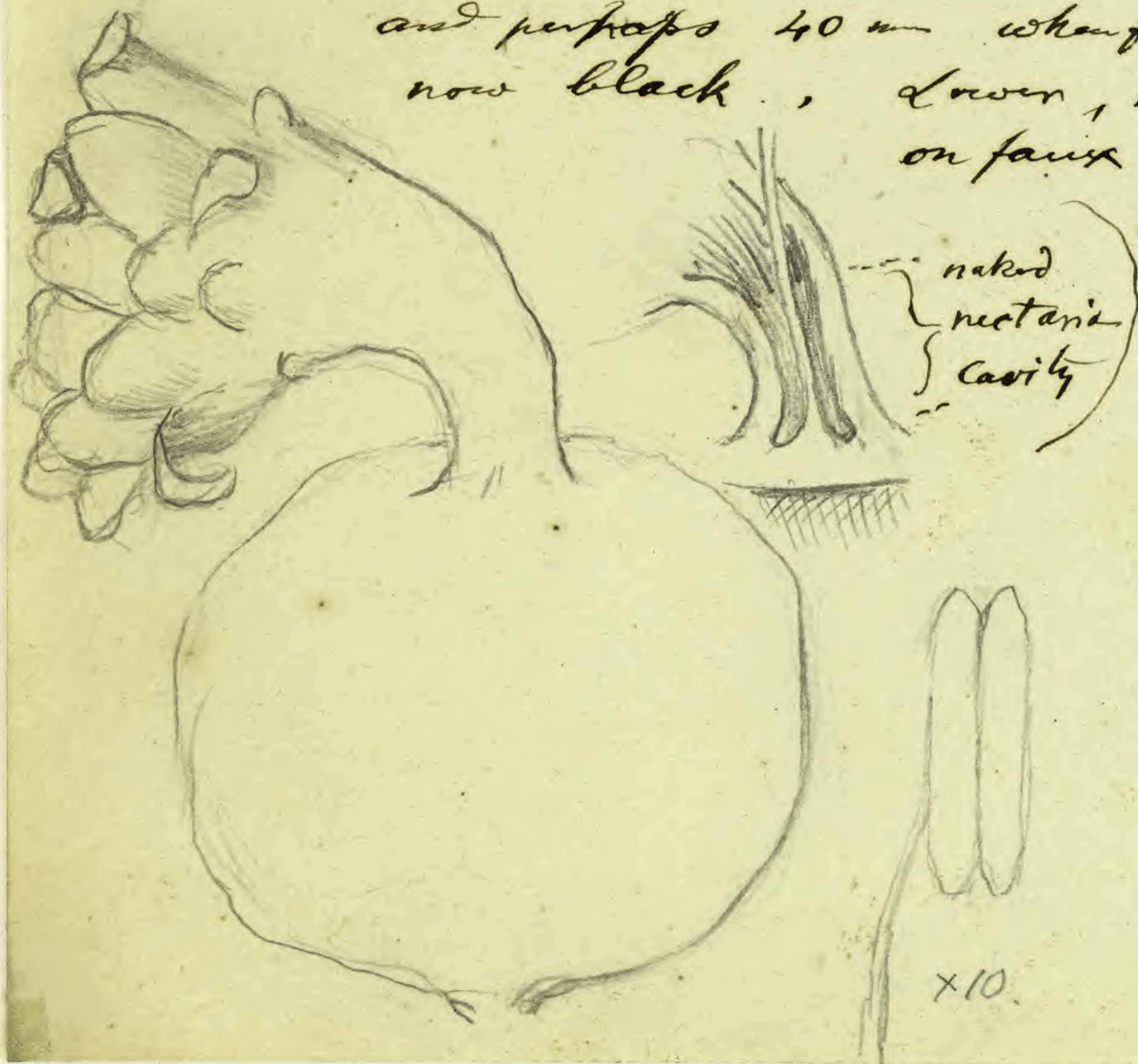
"9. *Tuna brava major*, *Cereus* sp. " Fruit, Venezuel.
ex Mus Kew Oct 1869.

March 18 1870
1876

Fruit green, depressed-globose, fleshy, pulpy; without any perceptible trace of
sepeloid scales. Remnants of flower, attached, crowning the fruit.

Fruit about 45 mm diameter; Flower (without ovary) about 50 mm long
and perhaps 40 mm when fully open; apparently white and fleshy,
now black. Lower, tubular part of flower without sepals
on fainter perhaps 20 obtuse oval sepals; probably
some 10 or 12 oblong obtuse fleshy petals.
nectarian tube about 12 mm long
not contracted

6 embryos with accumbent
3 — — oblique
Cotyledons



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"5. Cardon Chato, Cereus sp.

" Venezuela fruits
ex Mus Kew Oct. 1869.

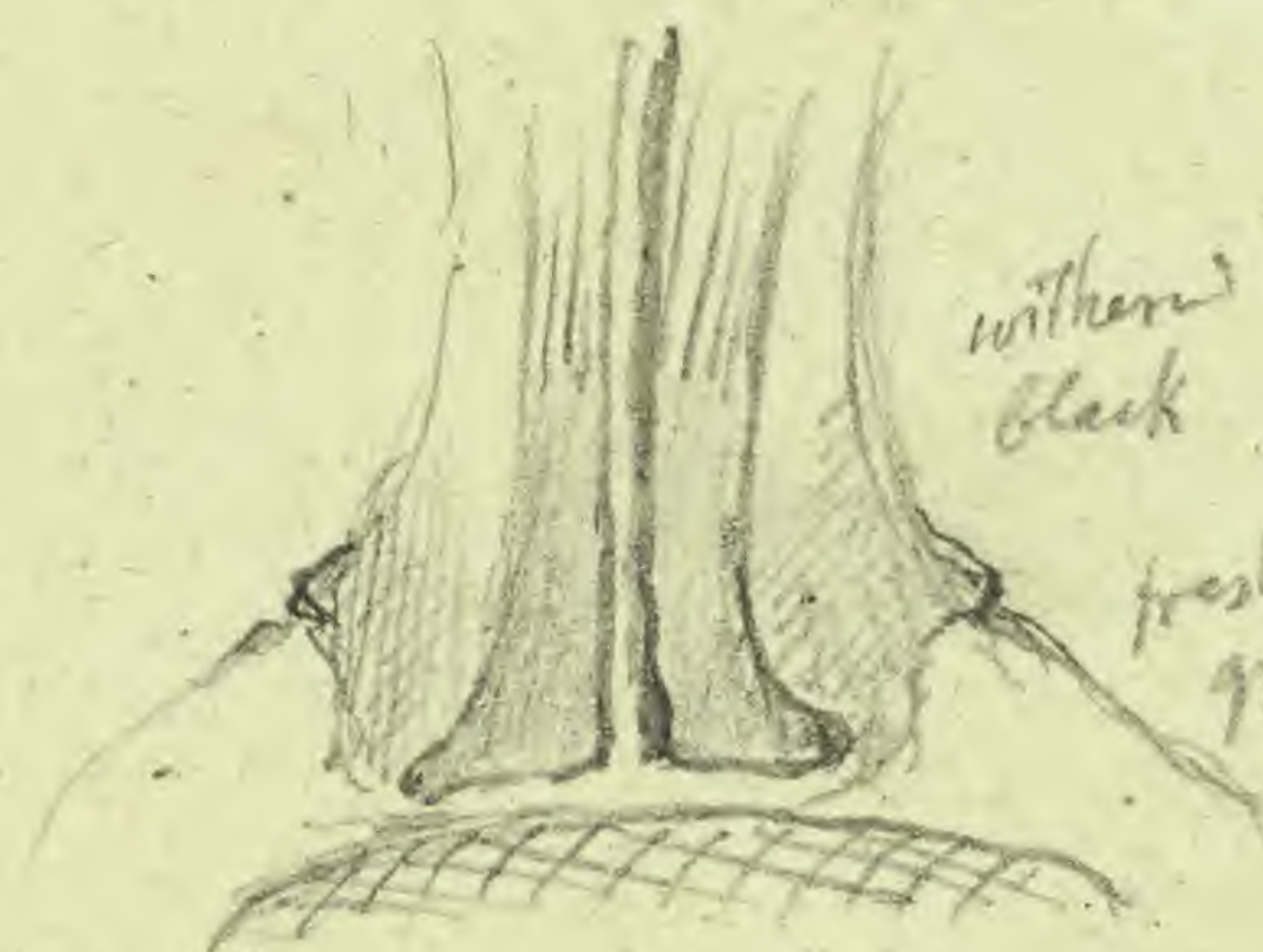
March 18 1870

Depressed green fruit, no traces of sepals observed;
crowned by black withered flower. Tube of flower
with few small obtuse scales.
Nectarian cavity about 16 mm
long, not contracted.

Seeds smooth shining,
embryo mostly with acuminate,
(5) more rarely with oblique
cotyledons - Once
seen 3 cotyl.



anther X10



1677



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"4. Cardon aplastado menor, *Cereus pentagonus*, var."

March 18 1870

Coll. Venezuela in Mus Kew

1678



6 cotyledons examined
all accumbent



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BOTANICAL
GARDEN

M. W. ALEXANDER,

SOUTH-EAST CORNER FOURTH AND MARKET STREETS,

ST. LOUIS.

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS



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